



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/469,887	12/22/1999	Rishi Mohindra	PHA-23-916	5482

24737 7590 11/17/2005

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

NGUYEN, THUAN T

ART UNIT	PAPER NUMBER
----------	--------------

2685

DATE MAILED: 11/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/469,887

Applicant(s)

MOHINDRA, RISHI

Examiner

THUAN T. NGUYEN

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-7,17,20 and 21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,5-7,17,20 and 21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 December 1999 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/6/04 has been entered.

Remark

2. Applicants cancel claims 8-16 and 22-25 in the amendment dated 6/10/04 and claims 2-4, 18-19 in the pre-amendment dated 9/26/05. Pending claims for examination are claims 1, 5-7, 17, 20, and 21.

Response to Arguments

3. Applicant's arguments with respect to claims 1, 5-7, 17, 20, and 21 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

*A person shall be entitled to a patent unless --
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.*

Art Unit: 2685

5. Claims 1, 5-7, 17, 20, and 21 are rejected under 35 U.S.C. 102(e) as being anticipated by Leyendecker (U.S. Patent No. 5,867,065/ or "Ley" for short).

Regarding claim 1, Ley discloses "in a transceiver having a power amplifier and a pair of up-converter mixers for an improved power ramping method" (Fig. 4 for a transceiver with power amplifier PA 103, with up-converter mixers including modulator 411 and upconverter 413 for mixing signals and providing signals to PA 103) comprising: "switching on the power amplifier after an end of a prior packet reception period, and ramping modulation signals supplied to the up-converter mixers upon initiation of a new packet transmission" (Fig. 8 and col. 13/lines 19-33 as the ramping up or down in power at the start or finish of a transmission of the transmission packet or stream of digitized samples; and further in col. 11/lines 23-33 & col. 12/lines 39-67 for the power of the PA is scaling up or down based on the DSP control signals), "wherein the modulation signals are in-phase (I) and quadrature-phase (Q) signals and wherein the modulation signals are ramped by monotonically scaling a set of digital words representing the in-phase and quadrature-phase signals" (col. 19/lines 20-30 & col. 19/line 54 to col. 20/line 39 for I and Q signals are representing in digital samples and are ramped up and down in scaling monotonically by the DSP using the look up table for individually applied to individual subcarriers).

As for claim 5, Ley further discloses this feature as Ley teaches the step of delaying initiation of the new packet transmission for a given time following the end of the prior packet reception period with the use of a delay circuitry (refer to Figs. 9 and 10, and col. 60 to col. 12/line 37 for identifying the previous modulation signal samples, and it is known in the art of digital linear transmission).

Art Unit: 2685

As for claim 6, Ley teaches this feature as Ley shows wherein the initiation of the new packet transmission begins a preamble by using updated filler coefficients as indexes for writing or storing the modulation signal samples (col. 10/lines 9-38).

As for claim 7, Ley further discloses this feature as Ley shows wherein the ramping step occurs over a given time period (col. 12/lines 41-67 as the DSP is programmed, understood to be over a given time period, to calculate the power or magnitude of from the digital modulation signal samples).

As for claims 17, 20 and 21, these claims for an improved power ramping method with same limitations within a transmitter or within a spread spectrum transceiver are rejected for the reasons given in the scope of claims 1 and 5-7 as disclosed above.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Leyendecker and Cora (in PTO 892 attached) disclose systems related to transceiver with power ramping technique.

7. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to the New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

Hand deliveries must be made to Customer Service Window,

Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Art Unit: 2685

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TONY T. NGUYEN
PATENT EXAMINER

Tony T. Nguyen
Art Unit 2685
November 10, 2005